

# CORRECTING FOOT ALIGNMENT

## Abstract

A component system of footwear corrective alignment insoles provides adjustment of the alignment of a human foot based upon evaluation and measurement of structural anomalies in the foot. A subtalar joint goniometer measures the angular alignment of the foot with a patient's leg properly inclined with respect thereto. A database contains data with selected relationships between the degree of a patient's foot pronation and supination and a variety of corrective pads for use with an insole for correcting pronation and supination. The foot pronation and supination is corrected by first measuring a patient's foot pronation and supination, comparing the measured pronation or supination with a database that correlates degrees of pronation and supination with a variety of corrective pads for use with a corrective alignment insole, selecting corrective pads from the database that correspond to the measured pronation or supination, and mounting the selected corrective pads to a base insole.